



1648

Docket No.: G0762.90001US00  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Schlegel et al.  
Serial No.: 08/216506  
Confirmation No.: 8196  
Filed: March 22, 1994  
For: PAPILLOMAVIRUS VACCINES  
Examiner: Mosher  
Art Unit: 1648

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Certificate of Mailing Under 37 CFR 1.8(a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: 11-13-06

Crena Pacheco  
Crena M. Pacheco

REQUEST TO CORRECT INVENTORSHIP UNDER 37 CFR §1.48(a)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

A request under 37 C.F.R. § 1.48(a) is hereby made to amend the above-identified United States patent application to add Shin-Je Ghim as inventor. The inventorship as amended resides in C. Richard Schlegel, A. Bennett Jenson and Shin-Je Ghim.

The name Shin-Je Ghim, as inventor, was omitted from the patent application through error and without deceptive intention on the part of the Applicant. Enclosed herewith is Consent of Assignee and Statement under 37 CFR 3.73(b).

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11/16/2006 HVUONG1 00000012 232825 08216506  
01 FC:1464 130.00 DA

The fee of \$130.00 as set forth in 37 C.F.R. § 1.17(i) accompanies this Request. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 23/2825, under Docket No. G0762.90001US01.

Dated: November 13, 2006

Respectfully submitted,

By Patricia Granahan

Patricia Granahan

Registration No.: 32,227

WOLF, GREENFIELD & SACKS, P.C.

Federal Reserve Plaza

600 Atlantic Avenue

Boston, Massachusetts 02210-2206

(617) 646-8000



PTO/SB/17 (07-06)  
Approved for use through 01/31/2007. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

## FEE TRANSMITTAL

### For FY 2005

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 130.00

#### Complete if Known

Application Number 08/216506  
Filing Date March 22, 1994  
First Named Inventor Richard Schlegel  
Examiner Name Mosher  
Art Unit 1648  
Attorney Docket No. G0762.90001US00

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#### METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):  
☒ Deposit Account Deposit Account Number: 23/2825 Deposit Account Name: Wolf, Greenfield & Sacks, P.C.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

#### FEE CALCULATION

##### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

##### 2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims Extra Claims Fee (\$) Fee Paid (\$)  
- 20 = x =

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)  
- 3 = x =

HP = highest number of independent claims paid for, if greater than 3.

##### Multiple Dependent Claims

Fee (\$) Fee Paid (\$)

##### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)  
- 100 = /50 (round up to a whole number) x =

##### 4. OTHER FEE(S)

Correcting Inventorship in a non-provisional application

Fees Paid (\$)

130.00

Other (e.g., late filing surcharge):

##### SUBMITTED BY

Signature	Patricia Granahan	Registration No. (Attorney/Agent)	32,227	Telephone	(617) 646-8000
Name (Print/Type)	Patricia Granahan	Date	November 13, 2006		

##### Certificate of Mailing Under 37 CFR 1.8(a)

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Dated: 11-13-06

Signature: Crena Pacheco (Crena Pacheco)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Schlegel, et al.  
Serial No.: 08/216,506  
Filed: March 22, 1994  
For: Papillomavirus Vaccines  
Group: 1813  
Examiner: Caputa

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Commissioner for Patents  
Box 1450  
Alexandria, VA 22313-1450

STATEMENT UNDER 37 CFR 1.48(a)

I, Shin-je Ghim, state as follows:

1. I am an inventor of the subject matter of the above-identified application.
2. The omission of me as an inventor occurred without deceptive intention on my part.

Date: 7/12/06

Shin-je Ghim  
Shin-je Ghim



DOCKET NO.: 010091001

### DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe the named inventor(s) to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

#### PAPILLOMAVIRUS VACCINE

the specification of which:

☐ is attached hereto;

☒ was filed on March 22, 1994, as Application No. 08/216,506, Confirmation No. 8196, bearing Docket No. 010091001.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims as now pending in the referenced application, which was the subject of Interference Nos. 104772, 104774 and 104776.

I acknowledge the duty to disclose information which is material to patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §§119(a)-(d) or (f) and/or 35 U.S.C. §365(a) or (b) of any foreign application(s) for patent, PCT international application(s) designating at least one country other than the United States, inventor's certificate, or application(s) for plant breeder's rights listed below, and have also identified below any foreign application for patent, PCT international application, inventor's certificate and applications for plant breeder's rights having a filing date before that of the application on which priority is claimed:

Priority Claimed	Certified Copy Attached?
YES NO	YES NO
<input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>

(Number)

(Country-if PCT, so indicate)

(DD/MM/YY Filed)

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or 35 U.S.C. §365(c) of any PCT International application(s) designating the United States of America listed below. I acknowledge the duty to disclose material information as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

U.S. Non-Provisional Application(s)

07/903,109  
(Application No.)

06/25/92  
(filing date)

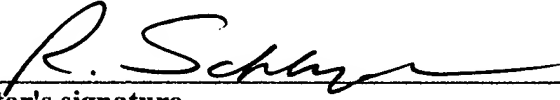
Abandoned  
(status-patented, pending, abandoned)

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

 8/24/06  
**Inventor's signature** **Date**  
Full name of first or joint inventor: C. Richard Schlegel  
Citizenship: U.S.  
Residence: 3 Elmwood Court  
Rockville, MD 20850  
Mailing Address: 3 Elmwood Court  
Rockville, MD 20850

**Inventor's signature** **Date**  
Full name of second joint inventor: A. Bennett Jenson  
Citizenship: U.S.  
Residence: 1517 S. Washington Street  
Louisville, KY 40206  
Mailing Address: 1517 S. Washington Street  
Louisville, KY 40206

---

**Inventor's signature**

**Date**

Full name of third joint inventor:

Shin-je Ghim

Citizenship:

South Korean

Residence:

Phoenix Place Apartments

508A South Shelby Street

Louisville, KY 40202

Mailing Address:

James Graham Brown Cancer Center

Room 4D

University of Louisville

529 South Jackson Street

Louisville, KY 40202



DOCKET NO.: 010091001

### DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe the named inventor(s) to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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the specification of which:

☐ is attached hereto;

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Priority Claimed		Certified Copy Attached?	
YES	NO	YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

_____ (Number)	_____ (Country-if PCT, so indicate)	_____ (DD/MM/YY Filed)
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I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or 35 U.S.C. §365(c) of any PCT International application(s) designating the United States of America listed below. I acknowledge the duty to disclose material information as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

U.S. Non-Provisional Application(s)

07/903,109 (Application No.)	06/25/92 (filing date)	Abandoned (status-patented, pending, abandoned)
---------------------------------	---------------------------	--



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Inventor's signature**

**Date**

Full name of first or joint inventor: C. Richard Schlegel  
Citizenship: U.S.  
Residence: 3 Elmwood Court  
Rockville, MD 20850  
Mailing Address: 3 Elmwood Court  
Rockville, MD 20850

**Inventor's signature**

**Date**

Full name of second joint inventor: A. Bennett Jenson  
Citizenship: U.S. *E*  
Residence: 1517 S. Washington Street  
Louisville, KY 40206  
Mailing Address: 1517 S. Washington Street  
Louisville, KY 40206

---

**Inventor's signature**

**Date**

Full name of third joint inventor: Shin-je Ghim  
Citizenship: South Korean  
Residence: Phoenix Place Apartments  
508A South Shelby Street  
Louisville, KY 40202  
Mailing Address: James Graham Brown Cancer Center  
Room 4D  
University of Louisville  
529 South Jackson Street  
Louisville, KY 40202



DOCKET NO.: 010091001

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**DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe the named inventor(s) to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**PAPILLOMAVIRUS VACCINE**

the specification of which:

☐ is attached hereto;

☒ was filed on March 22, 1994, as Application No. 08/216,506, Confirmation No. 8196, bearing Docket No. 010091001.

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I acknowledge the duty to disclose information which is material to patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §§119(a)-(d) or (f) and/or 35 U.S.C. §365(a) or (b) of any foreign application(s) for patent, PCT international application(s) designating at least one country other than the United States, inventor's certificate, or application(s) for plant breeder's rights listed below, and have also identified below any foreign application for patent, PCT international application, inventor's certificate and applications for plant breeder's rights having a filing date before that of the application on which priority is claimed:

Priority Claimed		Certified Copy Attached?	
YES	NO	YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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U.S. Non-Provisional Application(s)

07/903,109 (Application No.)	06/25/92 (filing date)	Abandoned (status-patented, pending, abandoned)
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

---

**Inventor's signature**

**Date**


Full name of first or joint inventor: C. Richard Schlegel  
Citizenship: U.S.  
Residence: 3 Elmwood Court  
Rockville, MD 20850  
Mailing Address: 3 Elmwood Court  
Rockville, MD 20850

---

**Inventor's signature**

**Date**

Full name of second joint inventor: A. Bennett Jenson  
Citizenship: U.S.  
Residence: 1517 S. Washington Street  
Louisville, KY 40206  
Mailing Address: 1517 S. Washington Street  
Louisville, KY 40206

<u>Shin je Ghim</u> 	<u>July 12th, 2006</u>
<b>Inventor's signature</b>	<b>Date</b>
Full name of third joint inventor:	Shin-je Ghim
Citizenship:	South Korean
Residence:	Phoenix Place Apartments 508A South Shelby Street Louisville, KY 40202
Mailing Address:	James Graham Brown Cancer Center Room 4D University of Louisville 529 South Jackson Street Louisville, KY 40202



DOCKET NO. G0762.90001US00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Schlegel et al  
Serial No.: 08/216506  
Confirmation No.: NA  
Filed: March 22, 1994  
For: Papillomavirus Vaccines

Examiner: Mosher  
Art Unit: 1648

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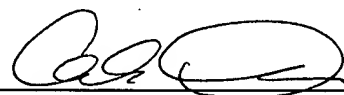
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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CONSENT OF ASSIGNEE**

GEORGETOWN UNIVERSITY, Assignee of U.S. Application Serial No. 08/216,506, hereby consents to the correction of inventorship in the above-identified application by the addition of Shin-Je Ghim, as inventor. A Statement Under 37 CFR 3.37(b) accompanies this Consent of Assignee.

11/6/06  
Date

  
\_\_\_\_\_  
Carla DeMaria  
Interim Vice President for Technology  
Licensing



**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Schlegel et. al.

Application No./Patent No./Control No.: 08/216506 Filed/Issue Date: March 22, 1994

Entitled: PAPILLOMAVIRUS VACCINES

Georgetown University, a University  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of less than the entire right, title and interest.  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 018456, Frame 0453, or a true copy of the original assignment is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.  
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.  
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.  
[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature  
Carla D. DeMaria  
Printed or Typed Name  
Authorized Signer for Assignee  
Title

11/6/06  
Date  
202-687-8583  
Telephone Number

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Dated: 11-13-06 Signature: Crena Pacheco (Crena Pacheco)